

Receipt date: 04/25/2007

10596327 GAU: 2893

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| Application Number | 10596327 |
| Filing Date | 2004-11-24 |
| First Named Inventor | MARSH et al. |
| Art Unit | 2828 |
| Examiner Name | Not Yet Assigned |
| Attorney Docket Number | 35832.000127 |

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|--------|----|--|--------------------------|
| /A.P./ | 1 | PAQUETTE, M. et al., "Blueshifting of InGaAsP/InP laser diodes by low-energy ion implantation", Appl. Phys. Letters 71:3749-51 (1997) | <input type="checkbox"/> |
| /A.P./ | 2 | TAN, H. et al., "Improved intermixing in GaAs/AlGaAs quantum well structures through repeated implant-anneal sequence", presented at Conference on Optoelectronic and Microelectronic Materials and Devices Proceedings, Perth, Australia (Dec. 14 -16, 1998). | <input type="checkbox"/> |
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| /A.P./ | 4 | QIAN, Y., "Three-band-gap QW intermixing in InP/InGaAs/InGaAsP system for monolithically integrated optical switch", Lasers and Electro-Optics Society Annual Meeting, 1998, LEOS '98, IEEE Orlando, FL, USA, 1 - 4 Dec. 1998, Pub by IEEE Piscataway, NJ, XP010317604, pp.194-195 (Dec. 1, 1998) | <input type="checkbox"/> |
| /A.P./ | 5 | LI, E., "Advances in intermixed quantum well devices", Electronic Devices Meeting, 1998 Proceedings, 1998 IEEE Hong Kong, Aug. 29, 1998; Pub. by IEEE Piscatway, NJ, pp.60 - 65 (1998), XP010318832. | <input type="checkbox"/> |
| /A.P./ | 6 | UTPAL, Das et al, "Tailoring of Electron and Hole Energies in Strained GaAsP/AlGaAs quantum wells using fluorine-impurity-induced layer disordering", Appl. Phys. Letters, American Institute of Physics, New York, US, Vol. 60, No. 2, (13 Jan. 1992), pp. 210-212, XP000257167. | <input type="checkbox"/> |
| /A.P./ | 7 | SOREL, M. et al., "Monolithic integration of InGaAs/AlGaInAs mach-zehnder interferometers using quantum well intermixing", LEOS 2003, 16th Annual Meeting of the IEEE Lasers & Electro-optics Society, Tucson, AZ, Oct. 27 - 28, 2003, Pub. by IEEE, New York, NY, Vol 1 of 2, Oct. 26, 2003, pp. 439-440, XP010676256 | <input type="checkbox"/> |
| /A.P./ | 8 | PIVA, P. et al., "Bandgap Tuning of Semiconductor Quantum Well Structures Using Ion Implantation", Superlattices and Microstructures, Academic Press, London, UK, Vol. 15, No. 4 (1994), pp. 385-389, XP000608697 | <input type="checkbox"/> |
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| | Examiner Name | Not Yet Assigned | | |
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| EXAMINER SIGNATURE | | | |
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| Examiner Signature | /Allen Parker/ | Date Considered | 03/22/2010 |
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☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

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| Signature | /Jefferson Perkins/ | Date (YYYY-MM-DD) | 2007-04-25 |
| Name/Print | Jefferson Perkins | Registration Number | 31407 |

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